# Appendix J.3b: Public Meeting Materials June 2015

**Durham-Orange Light Rail Transit Project** 



August 2015



Connecting all points of the Triangle

May 15, 2015

Dear Property Owner, Facility Manager/Office Director, and Tenant(s):

As part of the preliminary work for the proposed Durham-Orange Light Rail Transit (D-O LRT) Project, we are again contacting people who may be directly impacted by the proposed alignment of the D-O LRT Project. Last year you were contacted by Triangle Transit in regards to your proximity to one or more of the alternatives of the Project. Since that time we have changed our name to GoTriangle as part of a rebranding effort done in concert with other transit providers in the region.

While our name is different, we are still committed to ensuring your voices and opinions are heard and documented as we continue working on the proposed D-O LRT Project. We would like to meet with all Property Owners, Facility Managers/Office Directors, and Tenants to discuss the details of the proposed D-O LRT Project. We want to share with you the proposed D-O LRT alignment, station locations and the project timeline, and answer any questions you may have concerning construction, right-of-way requirements, and potential impacts to your property and/or business.

By 2035, the Durham-Chapel Hill area is expected to add nearly 200,000 residents and approximately 120,000 jobs. Light rail transit between the three main activity centers in Durham and Chapel Hill - UNC (Hospitals and University), Duke (Medical Center and University), and downtown Durham - has been proposed as a means to support this growth and provide an additional transportation alternative. As you know, in 2011, Durham County residents demonstrated their support for transit initiatives by approving the transit sales tax. In 2012, Orange County residents concurred, approving a transit tax of their own. GoTriangle is pleased to report that planning for the proposed D-O LRT Project has reached the Project Development phase, and we are studying the social, environmental, and human impacts of the proposed D-O LRT Project. You may learn more about the proposed light transit project http://ourtransitfuture.com/projects/durham-orange/.

Please join us for a D-O LRT Project update meeting that will focus on the results of the environmental studies for the entire proposed D-O LRT Project. The meetings will be held at:

- ☐ Town of Chapel Hill Public Library 100 Library Drive, Chapel Hill, NC 27514 Tuesday, June 2, from 4:00 pm - 7:00 pm
- □ Durham Station
  515 W. Pettigrew Street, Durham, NC 27701
  Thursday, June 4, from 4:00 pm 7:00 pm
- ☐ John Avery Boys and Girls Club 808 E. Pettigrew Street, Durham, NC 27701 Saturday, June 6, from 2:00 pm - 5:00 pm

PO Box 13787 | Research Triangle Park, NC 27709 | P: 919.485.7510 | F: 919.485.7547



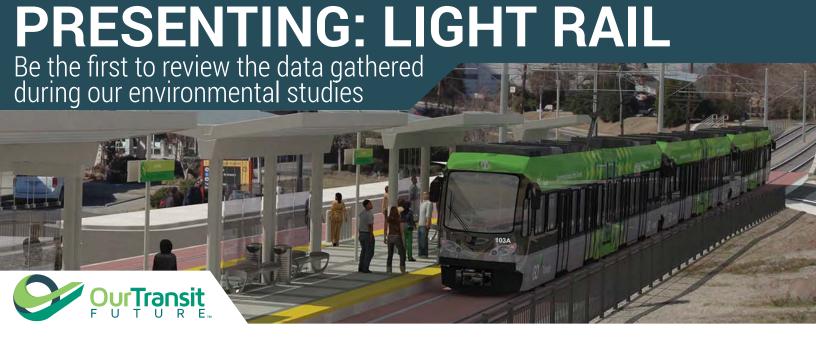
Connecting all points of the Triangle

These meetings are very important to the future development and implementation of the proposed D-O LRT Project. If you have any questions, please contact Jeffrey Sullivan <u>jsullivan@gotriangle.org</u> or (919) 485-7490.

Sincerely,

David D. King General Manager

GoTriangle



# Learn about the D-O LRT Project: Updated Data and Next Steps

Join us at one of three open house meetings to review data for the proposed D-O LRT project. Drop into a meeting to review updated information for the entire D-O LRT alignment, including the **Ninth Street station** to the **Alston Avenue station**, and find out what happens next.

## JUNE

2

#### **Chapel Hill Public Library | 4-7 p.m.**

100 Library Drive Chapel Hill, NC 27514

Presentations will be held at 4:15, 5:15 and 6:15.

#### **JUNE**

4

#### **Durham Station | 4-7 p.m.**

515 W. Pettigrew Street Durham, NC 27701

Presentations will be held at 4:15, 5:15 and 6:15.

#### **JUNE**

6

#### John Avery Boys & Girls Club | 2-5 p.m.

808 E. Pettigrew Street Durham, NC 27701

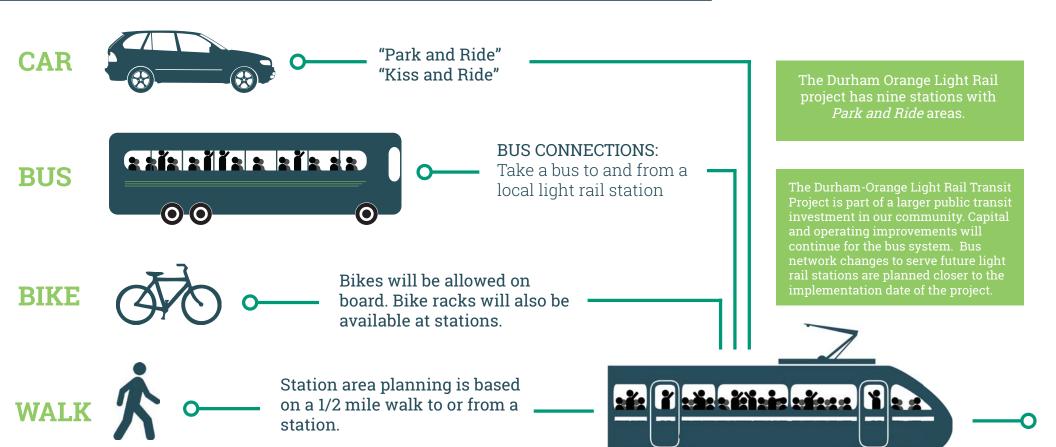
Presentations will be held at 2:15, 3:15 and 4:15.

All public meetings are held in ADA accessible facilities. Any individual who requires special assistance in order to participate in a public meeting is urged to contact Triangle Transland 300-816-7817 at least one week prior to the first meeting to make such arrangements.

Todas las reuniones públicas se llevan a cabo en las instalaciones de fácil acceso de ADA. Toda persona que necesite ayuda especial para poder participar en una reunión pública, debe ponerse en contacto con Triangle Transit al 1-800-816-7817 con al menos una semana de anticipación antes de la primera reunión, para hacer este tipo de pedidos.

### CONNECTING TO LIGHT RAIL

How to get to where you want to be



We are working with your local planning department on station area infrastructure including Bike/Pedestrian paths.

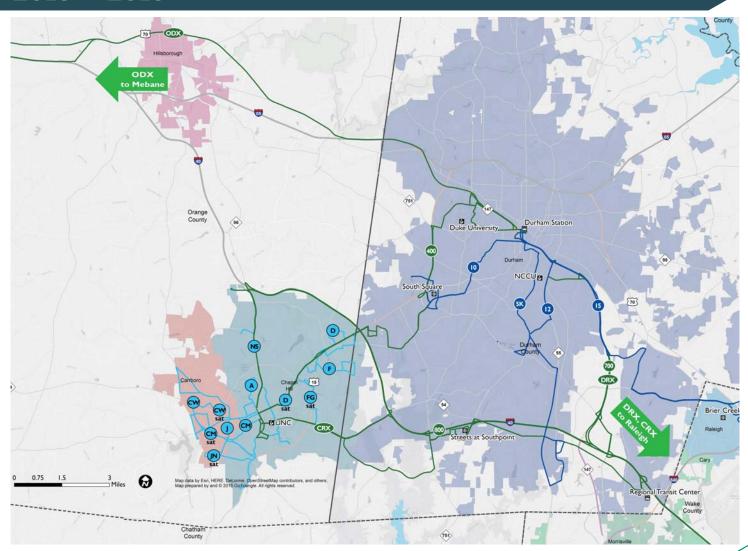


LIGHT RAIL TRANSIT



### DURHAM-ORANGE BUS SERVICE ENHANCEMENTS

2013 - 2015



#### **GoTriangle**

- Peak-hour service on Route 800 every 15 minutes between Streets at Southpoint and UNC
- New Sunday service and extended Saturday service on Routes 400, 700, and 800 connecting Durham, Chapel Hill, and the Regional Transit Center, with connections to RDU airport and Raleigh on Route 100
- New Route ODX peak-hour express service connecting Mebane, Efland, and Hillsborough with downtown Durham and Duke Medical Center
- Additional trips on Route CRX and DRX express routes between Durham/Chapel Hill and Raleigh (coming this fall)

#### GoDurham

- Frequent afternoon service every 15 minutes on Route 10 to South Square and Route 5 along Fayetteville St -- with all-day frequent service coming this fall (proposed)
- Consistent service every 30 minutes on Route 12 to NC55/54.
- · Consistent all-day service on Route 15 to Brier Creek.

#### **Chapel Hill Transit**

- New year-round evening and night service on Routes CM, CW, D and J, even when students are out on break.
- · Additional service on Routes A, D, F, G, J, and NS
- Additional Saturday service on Saturday Routes CM, CW, D, FG, and JN





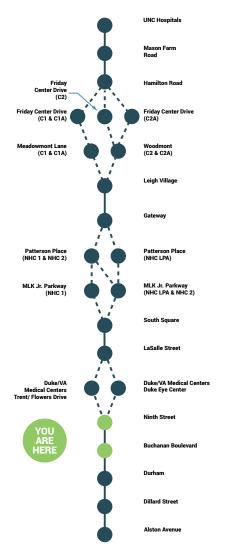
www.ourtransitfuture.com



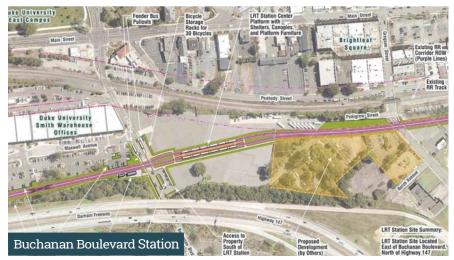


# Station Plans & Renderings



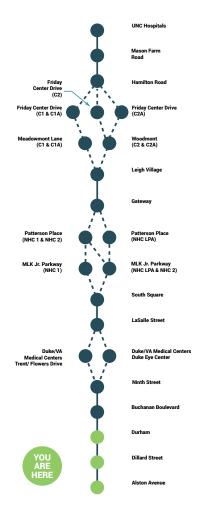






## Station Plans & Renderings

Durham, Dillard Street & Alston Avenue





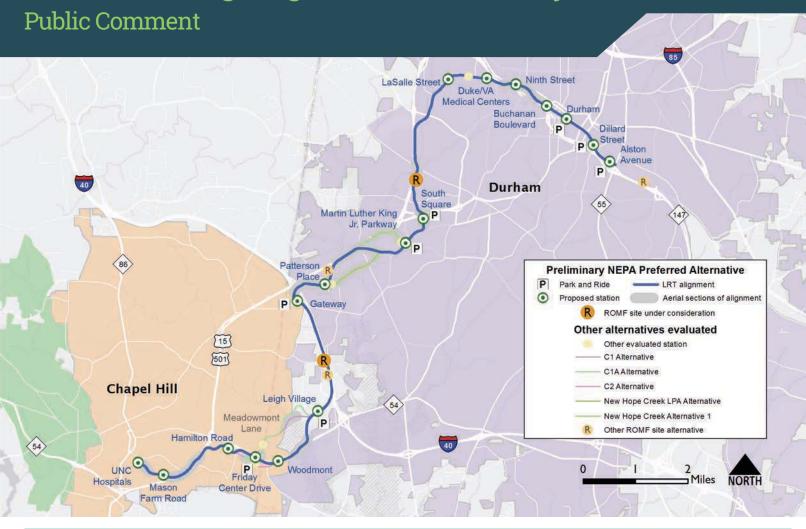








Durham-Orange Light Rail Transit Project



1.	Tell us what you like	about the project.	Circle specific parts of	f the project as appropriate.
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There are 4 ways to return your comments: 1) Leave this form at a public meeting;; 2) Email comments to info@ourtransitfuture.com; 3) Mail your form to: Our Transit Future, P.O. Box 530, Morrisville, NC 27560; or 4) Call our toll-free hotline at (800) 816-7817. Forms received will be added to our comments database within 5 days of receipt.



### Durham-Orange Light Rail Transit Project

#### **Public Comment**

2. Tell us what you dislike about the project and why	y.	return this form to GoTriangle no later than July 6.
3. Please feel free to share other comments.		
Name:	Email:	Telephone:
Mailing Address:	City:	Zip Code:
Organization:		

There are 4 ways to return your comments: 1) Leave this form at a public meeting; 2) Email comments to info@ourtransitfuture.com; 3) Mail your form to: Our Transit Future, P.O. Box 530, Morrisville, NC 27560; or 4) Call our toll-free hotline at (800) 816-7817. Forms received will be added to our comments database within 5 days of receipt.



### Proyecto de Tránsito de Tren Ligero Durham-Orange



Hay 4 maneras en que puede devolvernos sus opiniones: 1) Entréguenos este formulario; 2) Envíe sus preferencias por correo electrónico a info@ourtransitfuture.com; 3) Envíe este formulario por correo regular a: Our Transit Future, P.O. Box 530, Morrisville, NC 27560; ó 4) Llame a nuestra línea de atención gratuita (800) 816-7817. Los formularios recibidos serán agregados a nuestra base de datos de comentarios en los 5 días próximos a su recepción.



### Durham-Orange Light Rail Transit Project

#### **Public Comment**

2. Díganos lo que no le gusta sobre el proyecto	y por qué	regrese este formulario a GoTriangle a más tardar el 6 de julio.
3. Por favor tenga la libertad de compartir con	nosotros otros come	entarios.
Name:	Email:	Telephone:
Mailing Address:	City:	Zip Code:
Organization:		

Hay 4 maneras en que puede devolvernos sus opiniones: 1) Entréguenos este formulario; 2) Envíe sus preferencias por correo electrónico a info@ourtransitfuture.com; 3) Envíe este formulario por correo regular a: Our Transit Future, P.O. Box 530, Morrisville, NC 27560; ó 4) Llame a nuestra línea de atención gratuita (800) 816-7817. Los formularios recibidos serán agregados a nuestra base de datos de comentarios en los 5 días próximos a su recepción.



#### **A Common Choice**

Light Rail Transit (LRT) is used to provide high frequency rail transit service and operates in more than 20 urban areas in the United States and Canada.

Systems include Charlotte, Norfolk, Baltimore, Dallas, St. Louis, Minneapolis, Denver, Salt Lake City, San Diego, San Jose, Portland and Ottawa.

#### **Typical Service Characteristics**

Corridor Length: 5 - 20 miles Station Spacing .25 - 2 miles

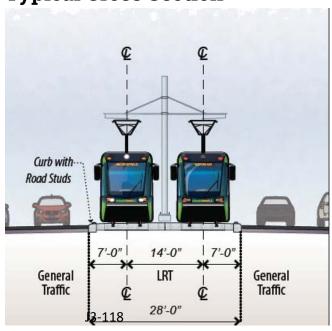
Service Frequency 5 – 15 min. peak

10 - 20 min. off-peak

Operating Speed 55 mph
Top Operating Speed 65 mph

Avg. Capacity 125 (40-60 seated) per/car

#### **Typical Cross Section**



### Durham-Orange

### Light Rail Project

17 miles serving 17 stations between UNC Hospitals in Chapel Hill and Alston Avenue in East Durham.

Estimated Travel Time: 42-44 minutes.

Hours of Operation: Runs 7 days a week,

approx. 18 hrs per day

Frequency: 10 min – peak

20 min - off peak/weekends

**Estimated Cost:** \$1.5 billion

**Funding Breakdown:** 

Local: 25%, State: 25%, Federal:50%

For more information, visit:

>> www.ourtransitfuture.com

#### Comment

 $\vee$ 

P.O. Box 530 | Morrisville, NC | 27560

C.

800.816.7817

@

info@ourtransitfuture.com

# WHAT IS LIGHT RAIL?





#### WHAT IS LIGHT RAIL?

#### Why Light Rail?

Travel between Durham and Chapel Hill is becoming increasingly difficult as more and more people move to the Triangle.

High growth rates continue to strain our transportation system — roadways and public transit — increase travel times and decrease reliability.

#### We need a permanent solution that:

- Enhances mobility
- Expands transit options between Durham and Chapel Hill
- Serves populations with high propensity for transit use
- Fosters compact development

LRT was chosen for the Durham-Orange corridor because this technology:

- Connects residential, educational and major employment centers throughout the corridor
- Serves the people in the Durham-Orange corridor more cost-effectively in the long term
- Serves a corridor with some of the highest projected trips per acre in the region
- Supports land use patterns that require closely spaced stops, best served by nimble vehicles that are able to accelerate quickly
- Provides solid anchors needed to shape land use along this critical corridor
- Provides high-frequency rail service shown to support transit-oriented development



Light Rail Vehicles (LRVs) are electrically powered vehicles and operate on their own tracks, in a dedicated right-of-way.



Light Rail service can accomodate increases in ridership by adding more train cars.

LRT can operate adjacent to regular vehicular traffic.





LRVs can navigate tight turns and accelerate and decelerate more quickly than vehicles like Diesel Mulitiple Units and Amtrak trains.



LRVs are designed to serve corridors with narrow rights-of-way and frequent stops.



LRVs are ADA accessible, and can accomodate bicycles, wheelchairs and strollers.

#### Noise

Unwanted Sound

Sounds that interfere with an activity or disturb the person hearing them. Typically measured in decibels (dB), sound-levels in our studies are weighted to reflect human perceptions (humans are more sensitive to middle and high-frequency sounds) and are measured in dBA

#### **Land Use Categories for Noise** and Vibration Impacts

HighSensitivity:Buildingswherelowambient vibration is essential for operations. (e.g. high-tech manufacturing factories, laboratories with sensitive equipment) Residential: Residences and buildings wherepeoplenormallysleep.(e.g.homes, hospitals, hotels)

Institutional: Places where meditation, speeches and reading are normally performed. (e.g. schools, churches, libraries.)

Concert Halls, TV/Recording Studios

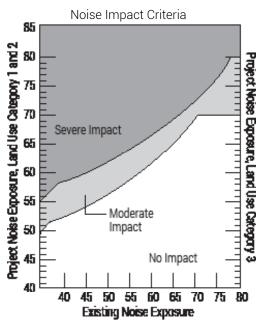
**Auditoriums** 

Theaters

#### Vi•bra•tion

"Ground-Bourne Vibration" is the transmission of energy through the earth, sensed as motion of the floors or walls inside a building.

"Ground-Bourne Noise" is low-pitched rumbling that results from "ground-bourne vibration". This noise can only occur inside a building. Vibration is also measured in decibels (dB).



The criteria do not apply to most commercial and industrial land uses because these activities are generally compatible with higher noise levels. They do apply to business land uses that depend on quiet as an important part of operations (e.g. sound and motion picture studios).

If you want more information about noise and vibration, contact us or visit these sites to research for yourself:



>> www.ourtransitfuture.com

P.O. Box 530 | Morrisville, NC | 27560

(1) 800.816.7817

(a) info@ourtransitfuture.com



#### Where does Noise Come From?

#### While the vehicle is in motion...

Wheel Rolling on Rail.....

condition of the wheels and rails. Can be controlled with regular system maintenance. Increases while accelerating and at higher speeds. Vehicle Propulsion System..... Can be controlled by vehicle procurement specification. Force ventilated systems are generally guieter than self-ventilated systems when operating on an embedded track. Auxiliary Equipment for Vehicle & Ventiltion... Usually not a significant source of noise. Can be controlled by vehicle procurement specifications. Wheel Squeal..... Can occur on tight curves of less than 1000 feet radii. Can be controlled by wheel and rail treatments. Special Trackwork.....

or switches, where trains change tracks. Brakes..... Occasional squeal when stopping Horns and Whistles..... Used infrequently as warning device for pedestrians

Bells.....

While the vehicle is stopped...

Auxiliary Equipment for Vehicle & Ventilation

Dominant source of noise for stationary vehicle. Controlled by vehicle procurement specifications.

Noise increases with speed and depends on the

Impact noises occur when wheels encounter

and as the train approaches the station.

and at intersections

discontinuity in tracks such as rail joints, turnouts,

Used sometimes as warning device at grade crossings

#### At Rail and Operations Maintenance Facilities...

Auxiliary Equipment for Vehicle & Ventilation

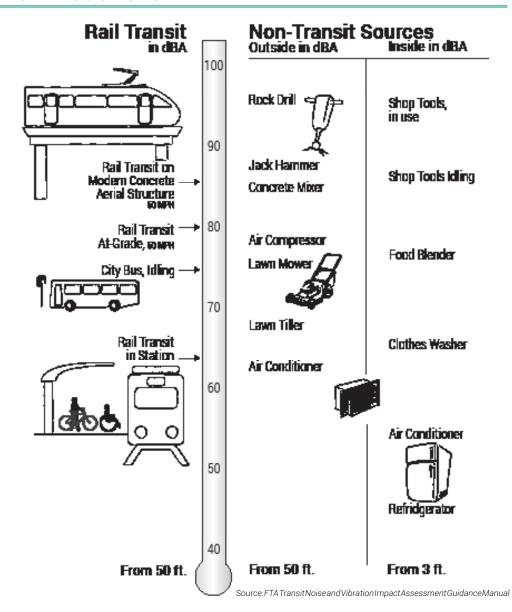
Dominant source of noise for stationary vehicle. Controlled by vehicle procurement specifications.

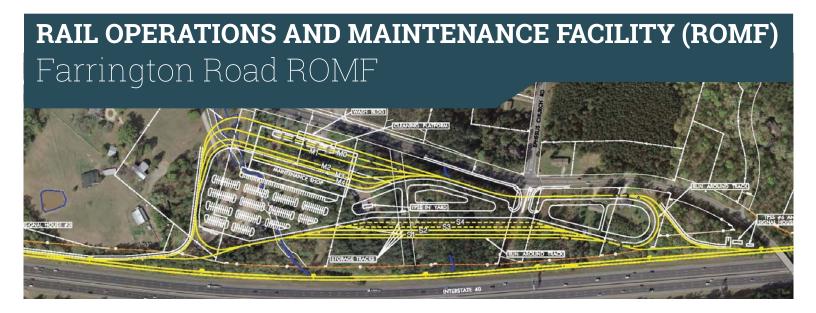
#### At Traction Power Substations...

Transformers

Usually not a significant source of noise for Light Rail

#### **How Loud is it?**





#### **FAST FACTS**

Size: 25 Acres

**Zoning**: Residential, Suburban Multi-family

Current Land Use: Residential - single family homes **Current Employment Served**: Fewer than 25 employees

#### **IMPACTS TO NATURAL RESOURCES**

**Total Acres:** 25 Bottomland: ()Alluvial:  $\cap$ Mesic Mixed: q Maintained/Disturbed: **Protected Species: Streams**: (Linear Feet) Riparian Zone 1 (acres):

16  $\Omega$ 638 (1.0)Riparian Zone 2 (acres): (0.9)Wetlands [# (acres)]: 1 (0.3) Ponds [# (acres)]: Floodplain [100-Year (acres)]: ()Floodway (acres):  $\cap$ 

#### **IMPACTS TO AREA ECONOMICS**

**Full Acquisitions:** 11 Partial Acquisitions: **Existing Jobs:** Fewer than 25

Hazardous, Contaminated & **Regulated Materials High Risk Sites:** Hazardous. Contaminated & **Regulated Materials** Medium Risk Sites:  $\cap$ 

#### **DEMOGRAPHICS**

Minority Population (%) Population Below Poverty 15% Zero Car Households 5% Limited English Proficiency

#### **IMPACTS TO COMMUNITY RESOURCES**

Community Resources:

Noise:

Vibration:

**Historic Resources:** TBD Visual and Aesthetic: Low impact **Archaeological Sites:** Acres of Parklands: ()**Recreational Trails:** ()

No Impacts



CAPITAL COST (2015 Dollars): \$62-93 Million Dollars

### RAIL OPERATIONS AND MAINTENANCE FACILITY (ROMF)



#### **FAST FACTS**

Size: 20 Acres

**IMPACTS TO** 

**NATURAL RESOURCES** 

**Zoning**: Commercial General

**Current Land Use**: Commercial / Warehouse, Vacant **Current Employment Served**: Less than 25 employees

0.1

0.2

#### IMPACTS TO AREA ECONOMICS

Total Acres of Biotic Resources: 20 Bottomland: 0 Alluvial: 1 Mesic Mixed: 12 Maintained/Disturbed: 7 **Protected Species:** 0 Streams: (linear feet) 154 Riparian Zone 1 (acres): (0)Riparian Zone 2 (acres): (0.03)Wetlands [# (acres)]: 1(0.1)Ponds [# (acres)]: 0

Full Acquisitions: 1
Partial Acquisitions: 0
Existing Jobs: Fewer than 25

Hazardous, Contaminated & Regulated Materials
High Risk Sites: 0
Hazardous, Contaminated &

Regulated Materials Medium Risk Sites:

#### **DEMOGRAPHICS**

Minority Population (%) 55% Population Below Poverty 24% Zero Car Households 12% Limited English Proficiency 16%

### IMPACTS TO COMMUNITY RESOURCES

Visual and Aesthetic: Moderate-

High impact

Noise: Low/No Impacts
Vibration: Low/No Impacts

Community Resources: No Impacts
Acres of Parklands: 0
Recreational Trails: 0

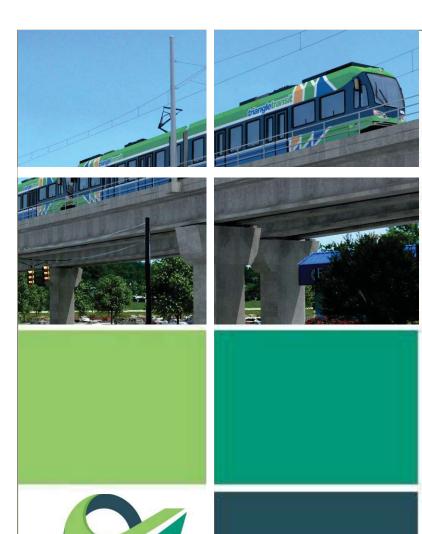
Historic Resources: TBD Archaeological Sites: 0



CAPITAL COST (2015 Dollars): \$74-111 Million Dollars

Floodplain [100-Year (acres)]:

Floodway (acres):













# Public Information Session

Durham-Orange Light Rail Transit Project

**June 2015** 



# **High-Growth Triangle Region**



- Durham & Orange Corridor
  - 175,000 people (2005)
  - o 231,000 people (2035)
- 3 Major Universities
- 3 Major Medical Centers
- Hub of innovation and entrepreneurship
- Abundant parks, cultural, culinary, artistic & historical resources



















# **Explosive Growth**

- Led to more congestion, increased travel times & sprawling development
- Outpacing our ability to repair, replace and expand roadway network
- Transit systems operating lose to maximum capacity
  - 84 buses per hour at UNC Hospitals
  - 46 buses per hour at Duke University and Durham VA Medical Centers

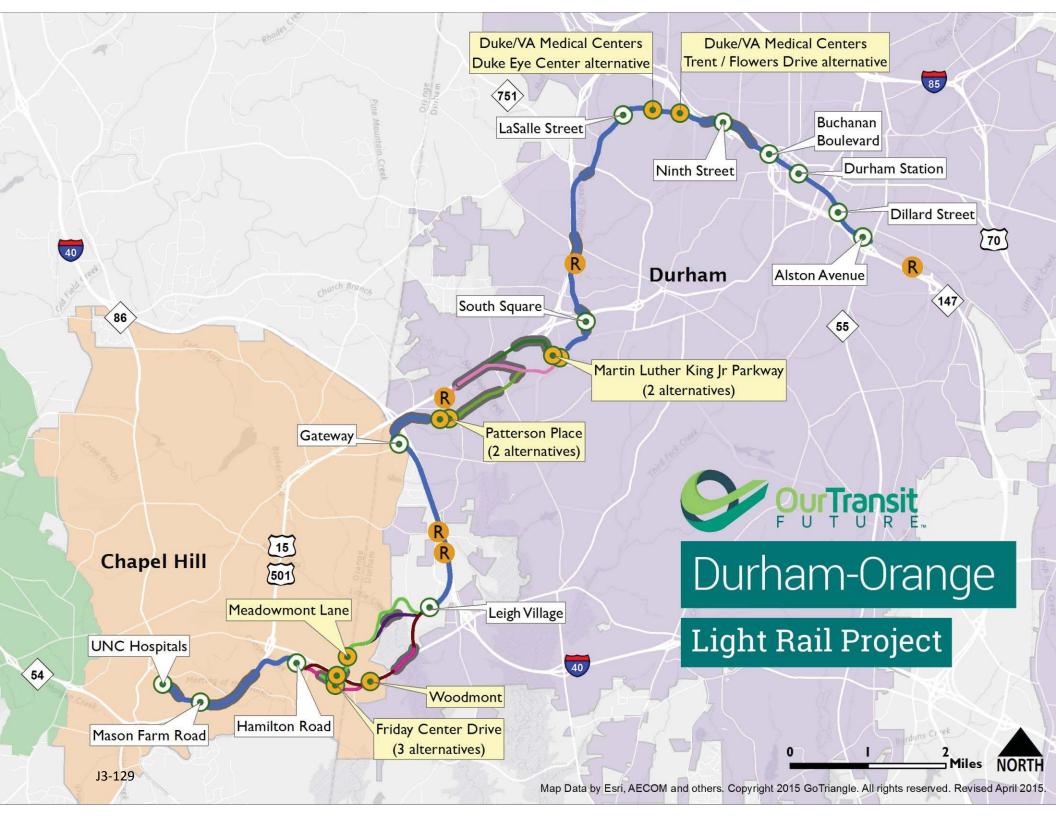


### What We Need



### A long term solution that

- Provides convenient and accessible transit service
- Provides a competitive and reliable alternative to congested roadways
- Seamlessly serves many popular destinations in Durham and Chapel Hill
- Fosters growth, compact development and economic development along a high-capacity transportation network



# **Our Project**

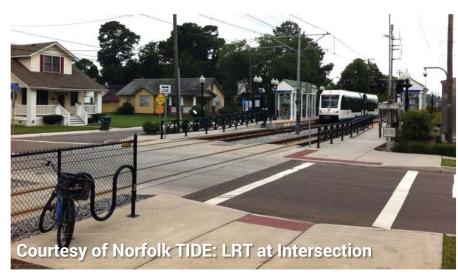


- 17-miles serving 17 stations of currently developed and ready to be developed areas
- Electrically powered system that runs in a dedicated guideway
- Travels between UNC Hospitals
   & Alston Avenue in ~42 min
- Operates 7 days a week
  - 10 min during peak times
  - 20 min off-peak and on weekends









Courtesy of Charlotte Area Transit System







## What Light Rail Brings to Communities



- Consistent, reliable transportation
  - Often accompanied with other service and capital improvements
- Increased Development Activity
  - Property values around stations often increase
  - Investments made in infrastructure around stations
- Economic Opportunity
  - Jobs during construction period
  - Jobs when operating and maintaining system

# **Morning Rush Hour Travel Times**



Origin	Destination	<b>Bus</b> Today	<b>Car</b> Today	<b>Light Rail</b> 2025 & beyond
Alston Avenue	Patterson Place	51 min.	14-18 min.	27 min.
Leigh Village	<b>UNC Hospitals</b>	28 min.	10-18 min.	12 min.
Gateway Station	Downtown Durham	51 min.	14-20 min.	28 min.
Woodmont Station	Duke/VA	69 min.	16-26 min.	24 min.
Ninth Street	UNC Hospitals	69 min.	22-35 min.	34 min.
MLK Jr. Parkway	Downtown Durham	29 min.	9-12 min.	17 min.

# **Project Timeline**



We are here

2014-2016

2016-2019

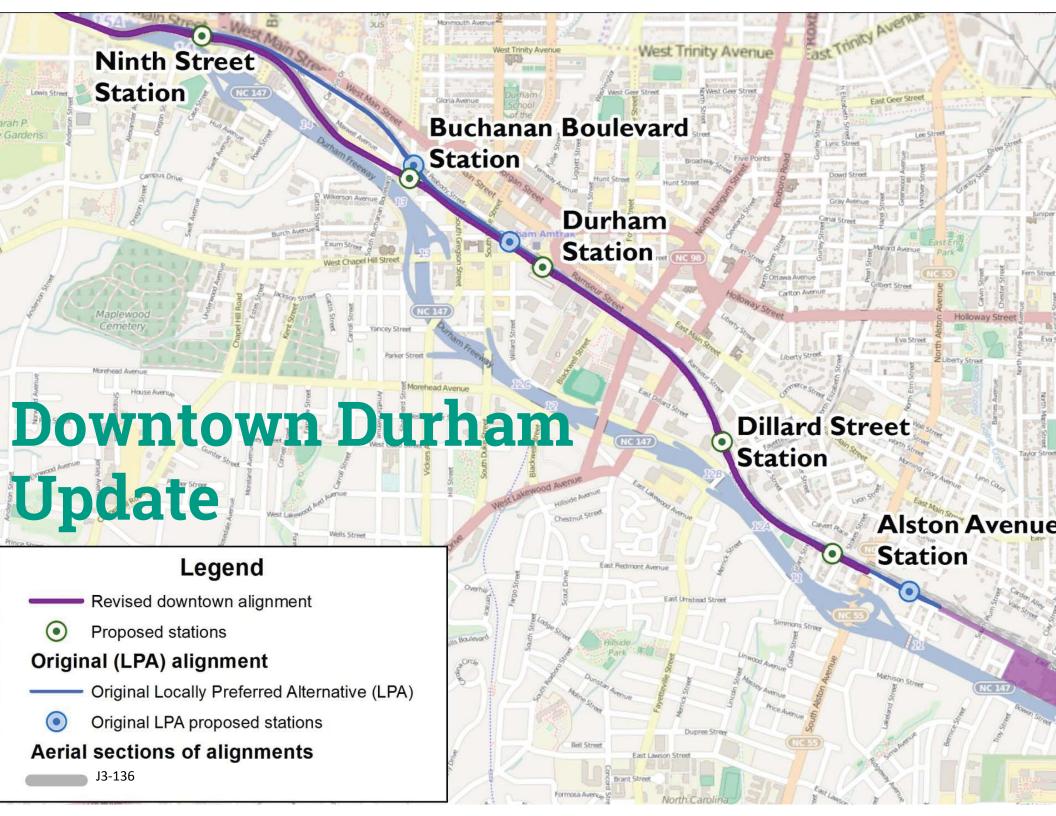
2019-2026

Project Development Final Design/ Engineering

Construction

- Evaluate alternatives & recommend the NEPA
   Preferred Alternative
- Complete environmental impact statement (EIS) & preliminary engineering
- Complete Final Design and Engineering
- Acquire state and local funding commitments
- Begin property negotiations and acquisitions

- Execute Full Funding Grant Agreement
- Begin construction
- Order vehicles and equipment

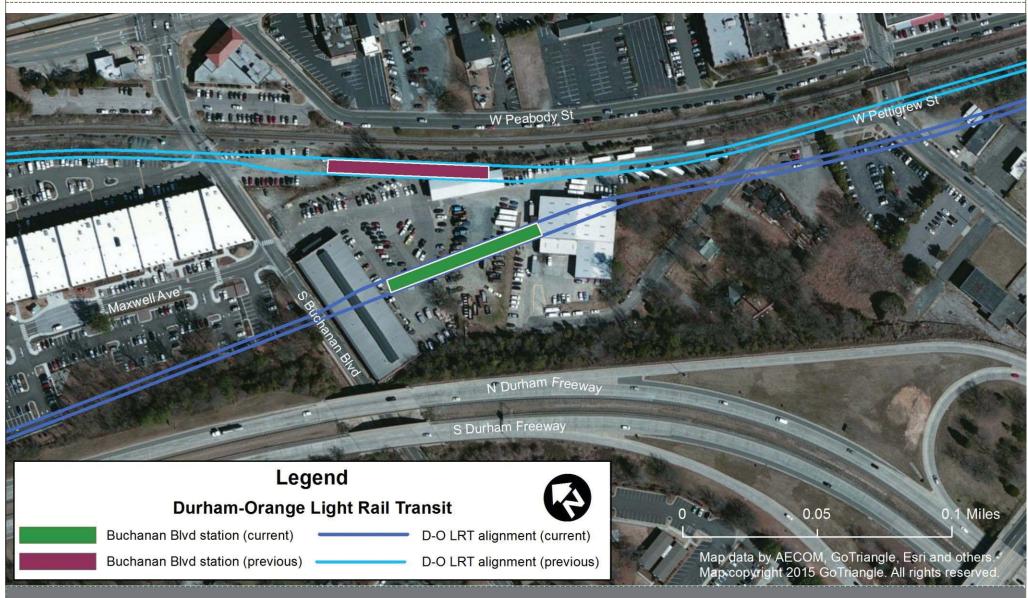


# **Swift Avenue Grade Separation**

- Elevated track extended over Swift Ave.
- Pettigrew St. stays open
- No impacts to Swift Ave. and Main St.

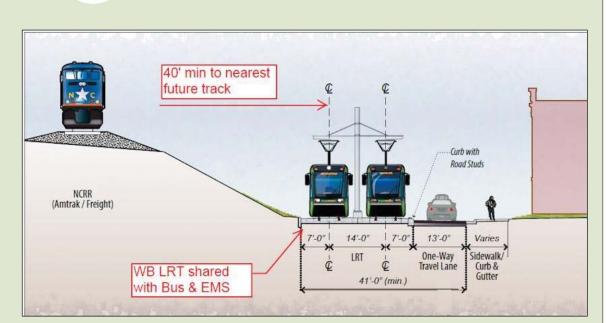


# **Buchanan Boulevard Station**



# **Pettigrew Street Transitway**

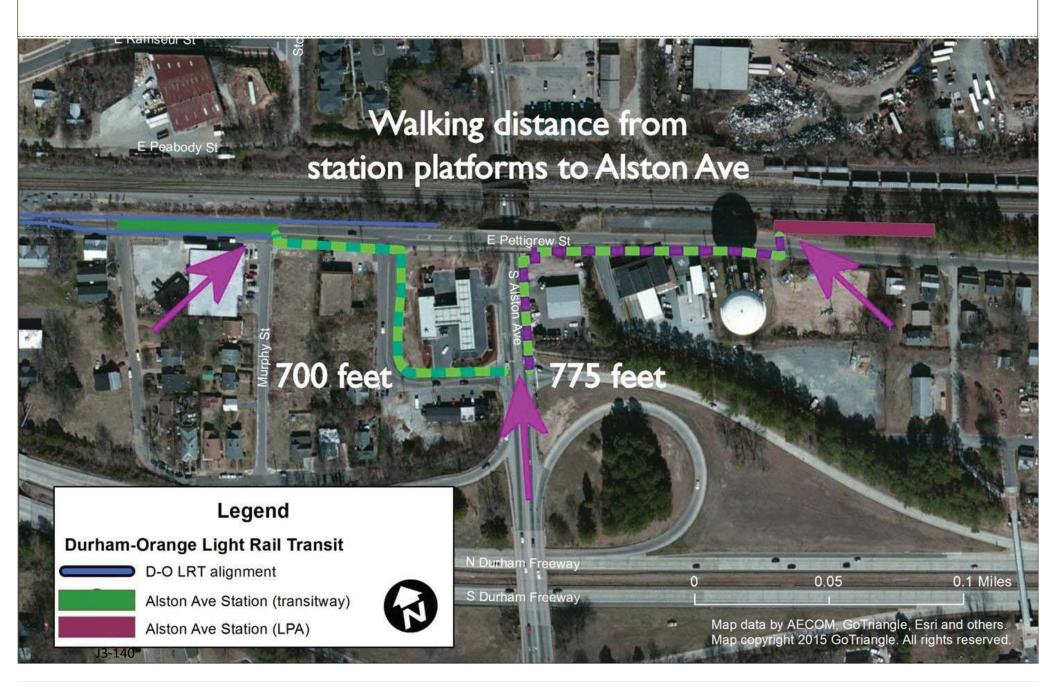
- Light Rail and one-way eastbound vehicular traffic: Chapel Hill St. to Dillard St.
- Two-way vehicular traffic: Dillard St. to Alston Ave. and beyond
- Buses and EMS vehicles can use westbound transitway
- Pettigrew St. does not change between Ninth St.
   & Chapel Hill St.



Street Running LRT on Pettigrew St with One-Way Traffic Lane



### **Alston Avenue Station**



### NEPA & THE DEIS



## THE NATIONAL ENVIRONMENTAL POLICY ACT

8

THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

### **Environmental Impact Statement**



- Must be completed in 2 years
- Covers a broad range of topics
  - The natural environment: birds, bees and trees
  - The human environment: traffic, development and aesthetics
  - The community: demographics, cultural/historic resources, parks, business/residential impacts
- Includes all reasonable alternatives to our proposed project
- Recommends alignment alternatives to move forward into Engineering phase.

### **DEIS Public Hearing Process**



- Published by the Federal Transit Administration this Fall
- Posted on ourtransitfuture.com, printed copies available for public access
- Two Information Sessions
- Two Public Hearings

### **5 Key Decisions**



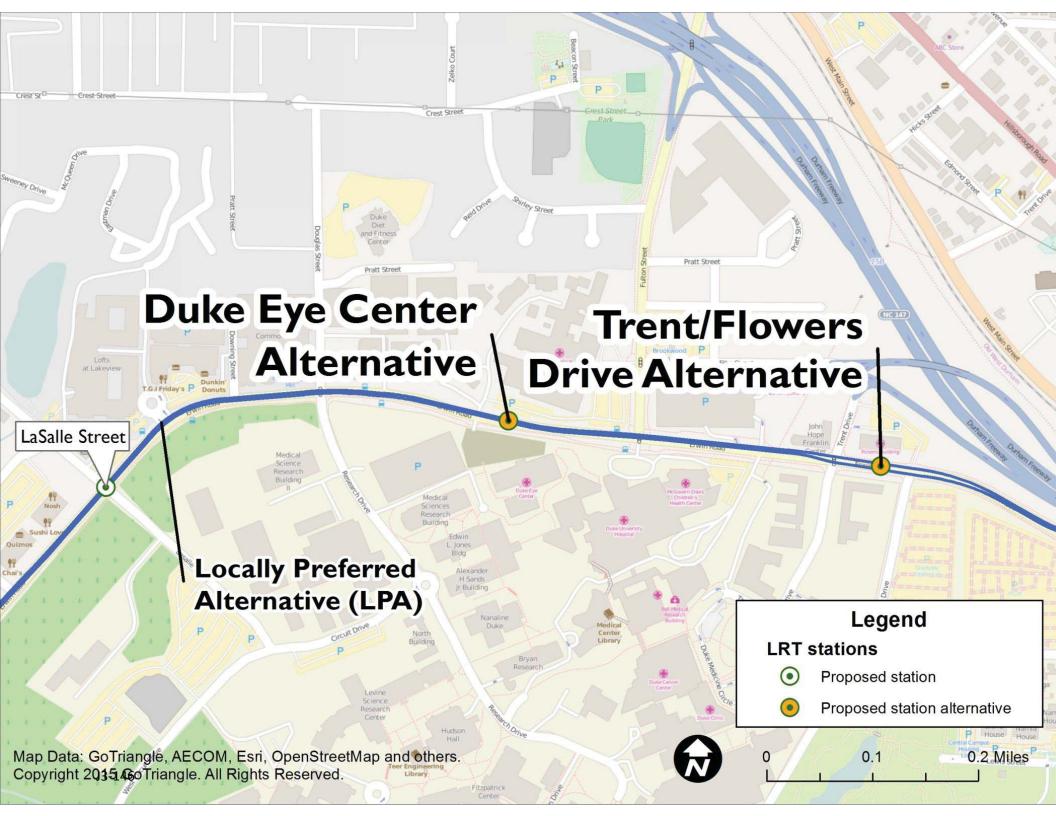
- Build or No-Build
  - Is this project worth it in the long-run?
- Duke/VA Medical Center Station
- New Hope Creek Crossing
- Little Creek Crossing
- Maintenance Facility Site

### Build v. No-Build



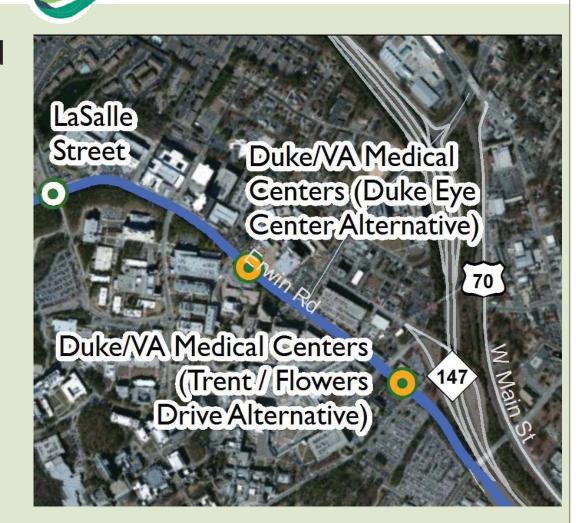






### **Duke/VA Medical Centers: Summary**

- Duke and the VA expressed a preference for Trent/Flowers station:
  - Less traffic and pedestrian congestion than Eye Care Center area
  - Future Duke University plans for West Campus
- Station locations similar across most metrics



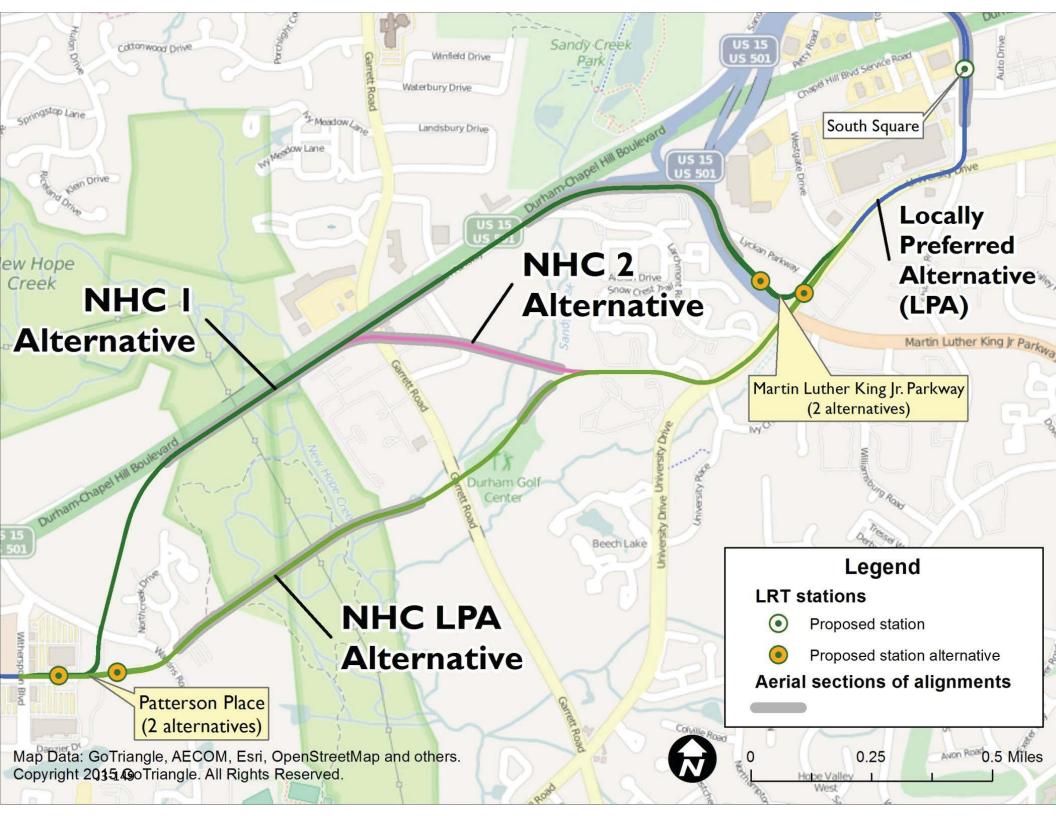
# Recommendation for Preliminary NEPA Preferred Alternative



### DUKE/VA MEDICAL CENTERS STATION

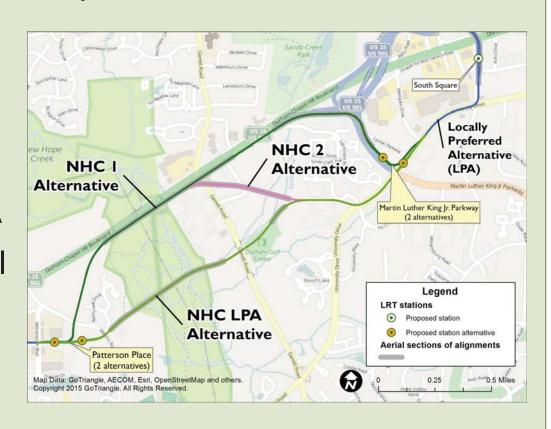
Trent/Flowers Drive Alternative





### **New Hope Creek Summary**

- NHC LPA introduces a new transportation corridor through NHC Bottomlands – impacts led to development NHC 1 & NHC 2
- NHC 1 costs more & impacts more businesses than NHC LPA & NHC 2
- NHC 1 & NHC 2 impact fewer public parklands than NHC LPA
- NHC 2 has fewer environmental impacts than NHC LPA & fewer business impacts than NHC 1

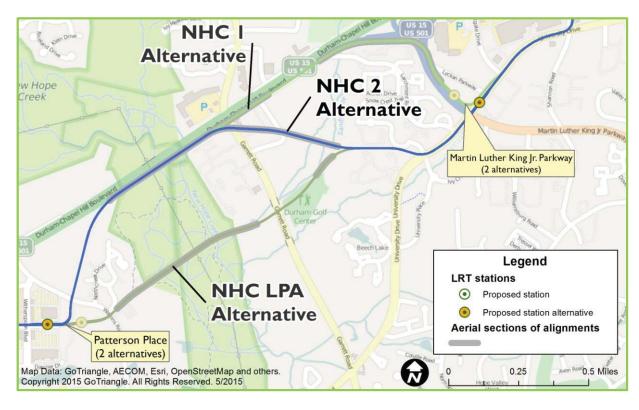


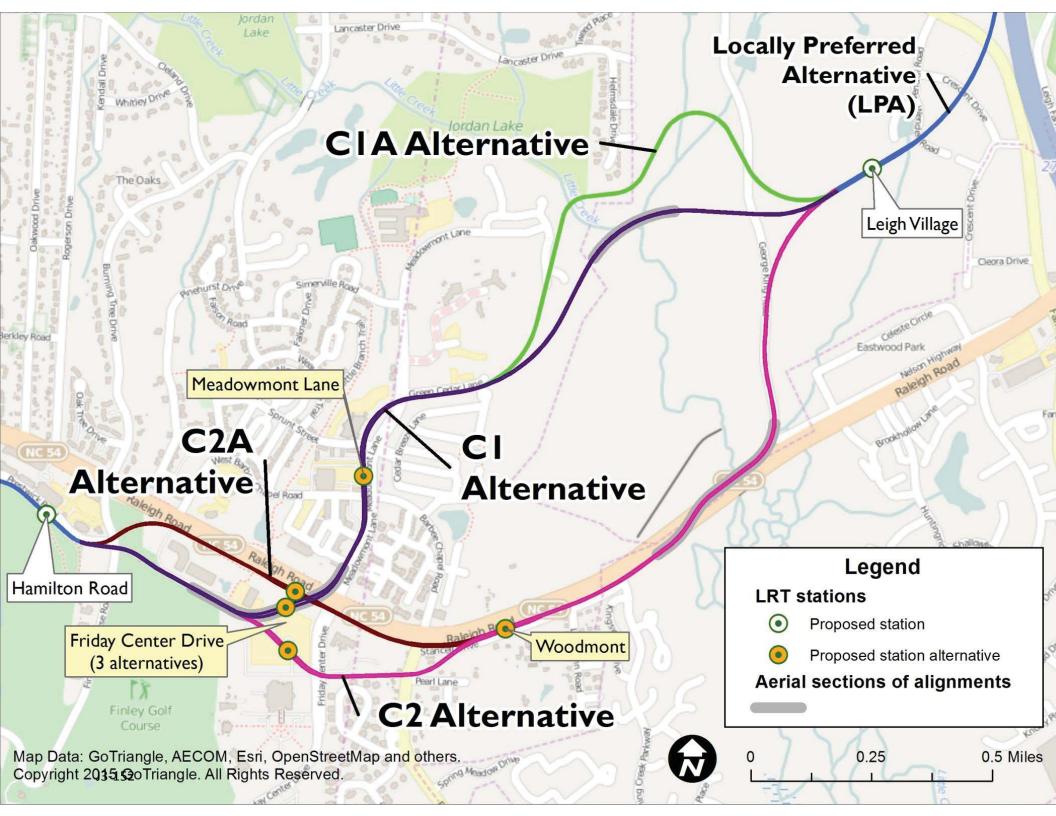
## Recommendation for Preliminary NEPA Preferred Alternative



### NEW HOPE CREEK CROSSING

New Hope Creek 2
Alternative





### Little Creek: Summary

#### C<sub>1</sub>

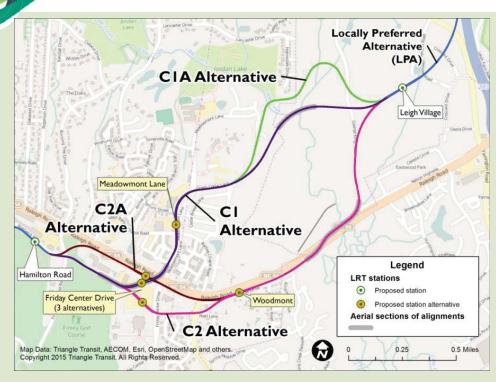
 Eliminated – USACE will not authorize use of federal property "given the availability of less damaging alternatives."

#### C1A

- Longest travel time & lowest ridership
- Most expensive to build & operate
- Impacts two public parks

#### **C2**

- Carries 700 more daily riders than C1A
- Cost similar to C2A & less than C1A
- More displacements than C1A & C2A



#### C2A

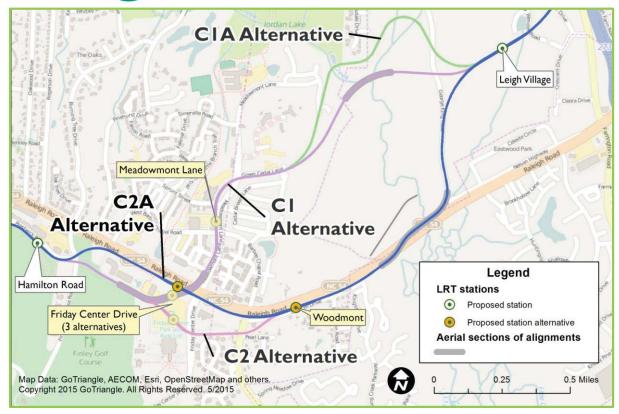
- C2A has fastest travel time & carries
   1,000 more daily riders than C1A
- Cost similar to C2 and less than C1A
- Least public parkland impacts

# Recommendation for Preliminary NEPA Preferred Alternative



### LITTLE CREEK CROSSING

C2A Alternative



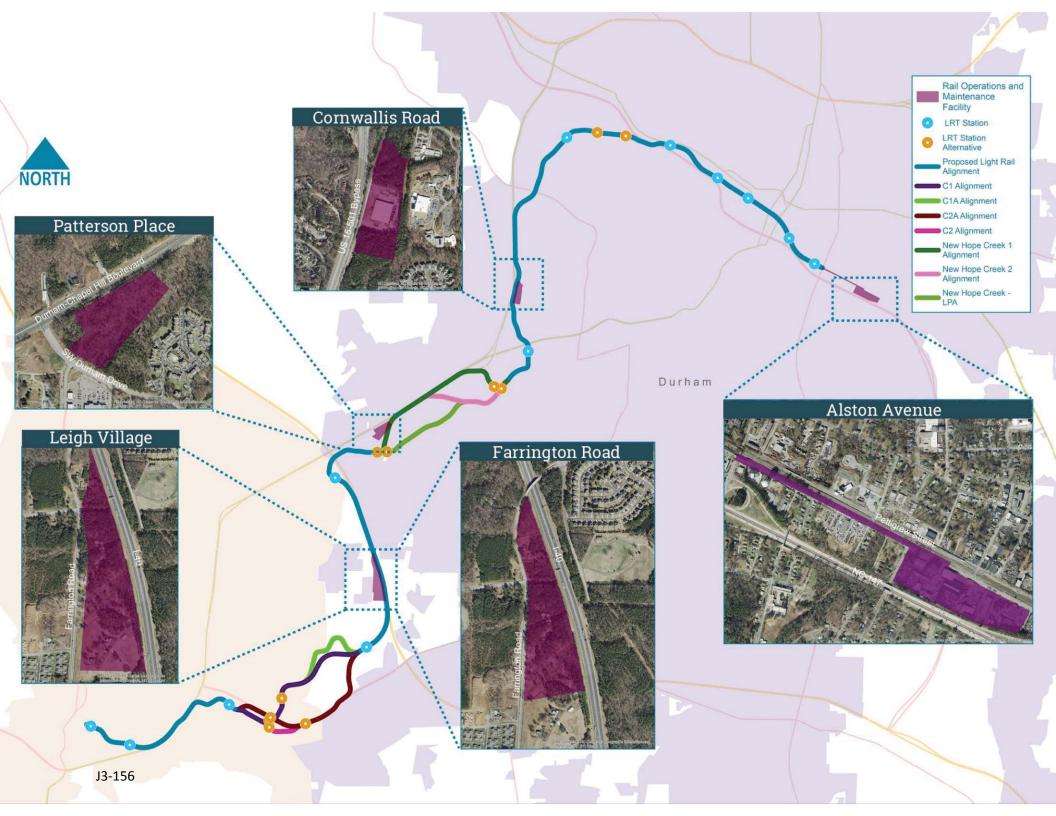
### **Rail Operations & Maintenance Facility**



- Trains are stored and maintained
- Operations and Maintenance staff includes:
  - Mechanics & Operators
  - Supervisors & Dispatchers
  - Administration
- Requires 15-25 acres
- Most work on vehicles is performed indoors







### Differentiators: Leigh Village Site



One eligible historic resource



#### **Differentiators: Patterson Place Site**



Only works with NHC LPA



### Differentiators: Alston Ave. Site



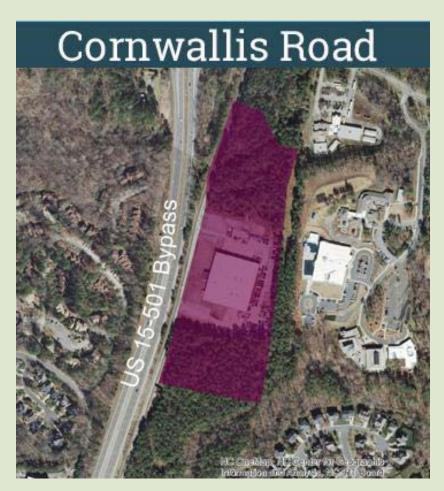
- No Historic Resource
- Works with all alternatives
- \$96 \$145 million
- Acquisitions/Displacements
  - 2 single-family residences
  - 6 commercial/industrial businesses (including Brenntag Mid-South and Eastern Carolina Organics) would be displaced
  - Potential net loss of jobs
- 2 high and 8 medium risk HAZMAT sites



### **Differentiators: Cornwallis Site**



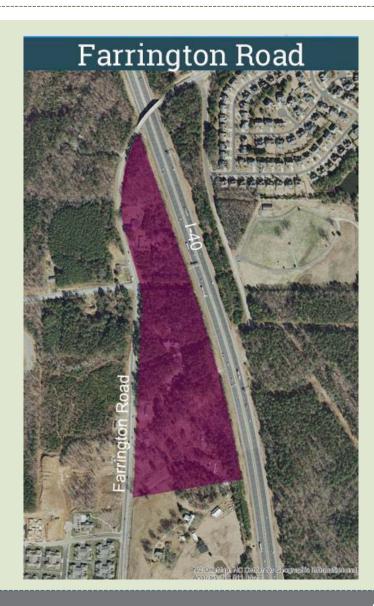
- No Historic Resource
- Works with all alternatives
- \$74 \$111 million
- Acquisitions/Displacements
  - would displace a commercial/ industrial building (former Pepsi plant) [renovation for mini-storage facility underway]
- 1 medium risk HAZMAT site



### **Differentiators: Farrington Site**



- No historic resource
- Works with all alternatives
- \$62 \$93 million
- Acquisitions/Displacements
  - 6 single-family residences
  - 1 cell tower coordination with utility may avoid displacement
- No HAZMAT sites



### **Summary of Cost & Schedule Risks/Impacts**

Risk Area	Alston	Cornwallis	Farrington
Land Use	None	Low	Medium
Relocations	High	Medium	Low
Hazardous Materials	High	Medium	None
Water Resource Impacts	None	Low	Medium
Neighborhood Impacts	Low	Medium	Low
Railroad Coordination	High	None	None
Ongoing Light Rail Operations	Low	Low	None
Cost Escalation	High	Low	Low
OVERALL	HIGH	MEDIUM	MEDIUM

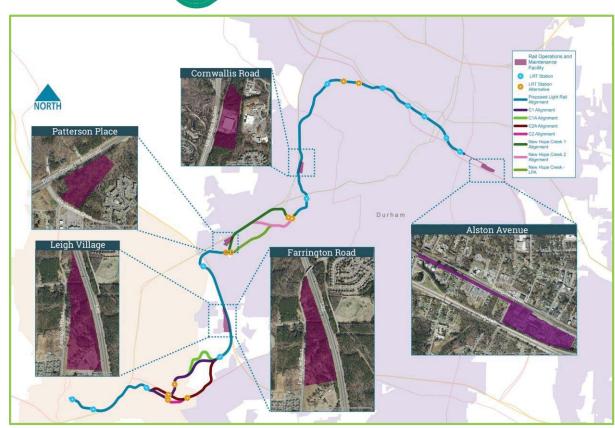
39

# Recommendation for Preliminary NEPA Preferred Alternative



### ROMF SITE LOCATION

FARRINGTON ROAD or CORNWALLIS ROAD



## Going Forward



#### WHAT WE NEED FROM YOU

### **Continue to Comment**



- Tell us what you like
- Look at preliminary NEPA Preferred Alternative and tell us how we can improve it
- Give us information we may have missed

### **How You Can Connect With Us**



- Email: info@ourtransitfuture.com
- Mail a letter to: Our Transit Future, P.O. Box 530, Morrisville NC, 27560
- Call us at: 800.816.7817
- Complete our online survey
- Submit a comment form at a public meetings

### Break



#### STAFF IS AVAILABLE TO HELP YOU



CIN 155235

Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_

Meeting Date JUNU 2 2015 Location Chupel 1511 Lobrary

Name	Home Address	City, State, Zip	Email
angie clemmons-roberts		chapel hill nc	Extended the low if you profes and it
Robert Clay	. 1	Chapel Hill NC	☐ Yes, add me to the project database Enter email below if you prefer email
Joel & Pam Cook		U /	Yes, add me to the project database Enter email below if you prefer email
Steve Simun	L. h.	chapl Hill	☐ Yes, add me to the project database Enter email below if you prefer email
Dh Cakes		Chipel Hill	☐ Yes, add me to the project database Enter email below if you prefer email
Esther Miller		0.4	☐ Yes, add me to the project database Enter email below if you prefer email
Mary+Relph Pryiet	4	CH	☐ Yes, add me to the project database Enter email below if you prefer email
Ellen Sincer	A = = = = = = = = = = = = = = = = = = =	CH	☐ Yes, add me to the project database Enter email below if you prefer email
GJ & Miranda trunson		CH 27514	☐ Yes, add me to the project database Enter email below if you prefer email
Josh Kastninster		Durham 27707	☐ Yes, add me to the project database Enter email below if you prefer email
person anonymous	world	wt sign	☐ Yes, add me to the project database Enter email below if you prefer email
Susan Boulog			☐ Yes, add me to the project database Enter email below if you prefer email
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Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_ Meeting Date \_\_\_\_ Durla a \_\_\_\_ Location Chapel Hill \_\_\_\_ braky

Name	Home Address	City, State, Zip	Email
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Veozie Oldenburg Vani Huro W			☐ Yes, add me to the project database Enter email below if you prefer email
4nda Hower		Chapel #1/2151	Yes, add me to the project database Enter email below if you prefer email
heri-Hardwan	*	CANC2	☐ Yes, add me to the project database
Brul Buthin		CH27517	Enter email below if you prefer email
PAGE SA RAWING H	Productive .	27512	☐ Yes, add me to the project database Enter email below if you prefer email
Elizabeth Bryant		27516	Yes, add me to the project database
IW Pointer			☐ Yes, add me to the project database Enter email below if you prefer email
540 5		27517	☐ Yes, add me to the project database Enter email below if you prefer email
Silver of all ar		- 29514	☐ Yes, add me to the project database Enter email below if you prefer email
Pat Kiss.		27514	☐ Yes, add me to the project database Enter email below if you prefer email
World Liehan		4	☐ Yes, add me to the project database Enter email below if you prefer email



Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_ Meeting Date hare 2015 Location Chapel Hill Labrary

Name	Home Address	City, State, Zip	Email
RILHARD ELLMAN		DUSHAM 277)Z	Forter email below if you prefer email
Diana Steek		Chapel 27514	Yes, add me to the project database
Susan Pelice		CH 21517	Yes, add me to the project database Enter email below if you prefer email
Bob STOOTHOFF	<u></u>	GH 27517	☐ Yes, add me to the project database Enter email below if you prefer email
Ponkarkas			Yes, add me to the project database Enter email below if you prefer email
Phil Hanson			Yes, add me to the project database Enter email below if you prefer email
Oustanu Paroli		CH 27517	Yes, add me to the project database
John Nets		02 27507	Enter amail below if you prefer amail
Brof Martin			Yes, add me to the project database Enter email below if you prefer email
Box Lykns		ch 275/4	Yes. add me to the project database
Newburn		CH 2774	Yes, add me to the project database Enter email below if you prefer email
Allison Monder			☐ Yes, add me to the project database Enter email below if you prefer email ————————————————————————————————————



Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_

Meeting Date June 2 2015 Location Cuaped to 11 Lub Raky

Name	Home Address	City, State, Zip	Email
TOD ALLEN		RALEIGH DE	5E
JOHN KENT			Enter email below if you prefer email
BIL Farrell			☐ Yes, add me to the project database Enter email below if you prefer email
1			☐ Yes, add me to the project database Enter email below if you prefer email
Color Color			☐ Yes, add me to the project database Enter email below if you prefer email
En MORRISSETT			Yes, add me to the project database Enter email below if you prefer email
Mary White			☐ Yes, add me to the project database Enter email below if you prefer email
		Chappy Tool 12	☐ Yes, add me to the project database Enter email below if you prefer email
ROJEMANIE KITAIIS BRUCE BOEHM		CII	Yes, add me to the project database Enter email below if you prefer email
GAN WOOD	in a second	CH	Yes, add me to the project database
5		CANEWS	Yes, add me to the project database Enter email below if you prefer email
Daniella Niedfeldt		arham. NC	☐ Yes, add me to the project database Enter email below if you prefer email



Durham-Orange Light Rail Transit Project Page of \_\_\_\_\_\_ of \_\_\_\_\_ Meeting Date June 2 2015 Location Chapter 111 Lubrary

Name	Home Address	City, State, Zip	Email
Karen Berman	8	Durham 2770	Yes, add me to the project database Enter email below if you prefer email
Cynthia Reifsnider		CHAPEL HILL 2751	Yes, add me to the project database Enter email below if you prefer email
CarolynEpstein		Chapel Hill 27517	Yes, add me to the project database
Chris Paul		Chape Hill 2794	Yes, add me to the project database Enter email below if you prefer email
ARIE SHEIKH		Chapel Hill, 27514.	Enter come!! below if you profer come!!
Debarah Roach		C Hill 27517	Yes, add me to the project database
BOB HUMPHREYS		Chapel Hill 27517	Yes, add me to the project database Enter email below if you prefer email
Phil Singer		Chapel Hill 27519	Yes, add me to the project database Enter email below if you prefer email
Heatles Danne		Chapel Hill 27514	Enter email below if you prefer email
Ranci Kitter	28.1.878.	11 27517	☐ Yes, add me to the project database
NAMOU BOODON		DURHAM 27709	☐ Yes, add me to the project database Enter email below if you prefer email
Jane Heusen		Ch H. 2756	Pres, add me to the project database



Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_ Meeting Date | World 2015 | Location Cooper Hill bear

Name	Home Address	City, State, Zip	Email
Katherme Higgins + John Branty		Chapel Hill, NC 27517	Yes, add me to the project database
Karen Certin		Chapel Hill 27517	☐ Yes, add me to the project database Enter email below if vou prefer email
10m BOND		27517	☐ Yes, add me to the project database Enter email below if you prefer email
Grant Sarriques		CH , NR 20517	Yes, add me to the project database Enter email below if you prefer email
Julanand		CH 27514	Yes, add me to the project database Enter email below if you prefer email
Corey Vernier		Kaligh. NC 27609	Yes, add me to the project database
Lisa Brachman		Chapal HILL 27514	☐ Yes, add me to the project database Enter email below if you prefer email ————————————————————————————————————
saleta compatro	, . ,	CHAN EL MILL 21819	☐ Yes, add me to the project database Enter email below if you prefer email ————————————————————————————————————
Bill Freem		CA 27517	☐ Yes, add me to the project database Enter email below if you prefer email ————————————————————————————————————
TOM DAVIN		DURHAM, M.	☐ Yes, add me to the project database Enter email below if you prefer email
Vudi Lillen		Chapel all 27514	☐ Yes, add me to the project database
		V	☐ Yes, add me to the project database Enter email below if you prefer email



Durham-Orange Light Rail Transit Project Page \_\_\_\_ of \_\_\_\_

Meeting Date unta 2015 Location Chapet Hill brang

Name	Home Address	City, State, Zip	Email
Matt Pollack		Roswell, GA 30076	☐ Yes, add me to the project database Enter email below if you prefer email
			₽Yes, add me to the project database
Travis Kechart		Durham NC 27707	+
Matt Pollacle Travis Kephart Kaltle Davic		Roswell, GA 30076  Durham NC 27707  Durham NC 277	☐ Yes, add me to the project database  Enter email below if you prefer email
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C, H. 27517	Enter email below if you prefer email
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Durham-Orange Light Rail Transit	Project
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Name	Home Address	City, State, Zip	Email
Freddy Divalleama			Yes, add me to the project database
(Spanish) Noe PAMOS REYES		Durham, NC 24703	Yes, add me to the project database
Penny Blail2		Durham n(,0)	☐ Yes, add me to the project database Enter email below if you prefer email
Kunt vehalf		Dichon NC 01	☐ Yes, add me to the project database Enter email below if you prefer email
Bob Boor			☐ Yes, add me to the project database
Tim Water		Durham 01	Yes, add me to the project database Enter email below if you prefer email
MIKE SHIFLETT		Dew 2004	☐ Yes, add me to the project database Enter email below if you prefer email ————————————————————————————————————
Warren Kingham		1) sorger 2705	Enter email below if you prefer email
Jim Kessler			☐ Yes, add me to the project database Enter email below if you prefer email
Polly Russell			☐ Yes, add me to the project database Enter email below if you prefer email
Trus culo		•	Enter email below if you prefer email
Retatillise			Tes, add me to the project database Enter email below if you prefer email
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Durham-Orange Light Rail Transit Project Meeting Date \_\_\_\_\_ Location \_\_\_\_\_

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Name	Home Address	City, State, Zip	Email
JEFF BAtalchiek		Durham NC 27704	Yes, add me to the project database
TED Smith		Durtham NC 27785	Yes, add me to the project database
THE GREENE		Durathy NC 27701	XI. Yes, add me to the project database
Blen Beckneun		When 27701	☐ Yes, add me to the project database Enter email below if you prefer email
TOM MORAN		Raleigh 27607	Yes, add me to the project database
CHRIS Leach		Durham 2777	Yes, add me to the project database
OMAR BEASLEY		DueHAM NC 27703	Yes, add me to the project database
Bob Giforn		10 " 0/	May Yes, add me to the project database
Merie Snipes		Durham 27703	Yes, add me to the project database Enter email below if you prefer email
Ship Demire		Dierhamn C 277	Yes, add me to the project database Enter email below if you prefer email
BENNIE MOCK		High Paint NC. 2726	☐ Yes, add me to the project database Enter email below if you prefer email
WEIMIC . IOU		1157 1011111-2120	☐ Yes, add me to the project database Enter email below if you prefer email

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Durham-Orange Light Rail Transit	Project	Page	 of
Meeting Date	Location		 

Name	Home Address	City, State, Zip	Email
Jereny Hann		->	☐ Yes, add me to the project database Enter email below if you prefer email
Bill Hoover	_	Durham, NC 27705	☐ Yes, add me to the project database Enter email below if you prefer email
ann C. Howard	J	Boudlon, Va 23917	☐ Yes, add me to the project database Enter email below if you prefer email
Steph S. Howard		Dahan, 27712	☐ Yes, add me to the project database Enter email below if you prefer email
Fage & Richard Trilling			☐ Yes, add me to the project database Enter email below if you prefer email
RICK LEINHAS			☐ Yes, add me to the project database Enter email below if you prefer email
Rule Postor		Wohe Frest NZ ZISS	**Yes, add me to the project database
Meg Scully		Ducham NC 2770	☐ Yes, add me to the project database Enter email below if you prefer email
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Durham-Orange Light Rail Transit	Project
Meeting Date	Location

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Name	Home Address	City, State, Zip	Email
Janny Caylor		Duchen	☐ Yes, add me to the project database Enter email below if you prefer email
MALGIARET ROBSESSON		WAKEFORET	☐ Yes, add me to the project database Enter email below if you prefer email
		Parham	Yes, add me to the project database Enter email below if you prefer email
JOHN HOOGES-COPPLE	,	DURHAM 27701	☐ Yes, add me to the project database Enter email below if you prefer email
Lorda Thomas Wullar		Darhsa, NC	☐ Yes, add me to the project database Enter email below if you prefer email
LINDA SMITH		Durhan, NG	☐ Yes, add me to the project database Enter email below if you prefer email
BRUCE MITCHELL		DURHAM 2776	Yes, add me to the project database
Brian Buzby		Durham 27707	
Brian Buzby Tracy Lovett		Durhan 277B	Yes, add me to the project database
Perere Anderson	Loss	·11 27712	Yes, add me to the project database
Marthalynn Ballard		Durham 27701	Yes, add me to the project database
			☐ Yes, add me to the project database Enter email below if you prefer email



Durham-Orange Light Rail Transit Project Meeting Date \_\_\_\_\_ Location \_\_\_\_\_

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Name	Home Address	City, State, Zip	Email
Chris Tiffany		Durlan NC 27702	☐ Yes, add me to the project database  Enter email below if you prefer email
TADAUNT		Durham NC 27701	☐ Yes, add me to the project database Enter email below if you prefer email
TADAUNT Base 12		Owhan 4 cos	☐ Yes, add me to the project database Enter email below if you prefer email
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Durham-Orange Light Rail Transit Project

Meeting Date <u>Areny Brys + Girls Club</u> Page

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Name	Home Address	City, State, Zip	Email
Scott Whiteman		Durham	☐ Yes, add me to the project database Enter email below if you prefer email
Scott Whiteman Branda Whiteman KEN CHIHA		Durham	Yes, add me to the project database Enter email below if you prefer email
KEN CHTHA			Yes, add me to the project database
	•	DURMAN, NC 27713	wee, and me to the project database Enter email below if you prefer email
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	×		☐ Yes, add me to the project database Enter email below if you prefer email
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Durham-Orange Light Rail Transit Project Meeting Date \_\_\_\_\_6/6/2015

Page <u>2</u> @ @.

	City, State, Zip	Email
	Durhom Nec 27201	Yes, add me to the project database Enter email
	Dohna NE	Yes, add me to the project database
	Durhay 2770/	Yes, add me to the project database Enter email below if you prefer email
	Derke 822	☐ Yes, add me to the project database Enter email below if you prefer email
	Durham 21704	☐ Yes, add me to the project database
	27705	☐ Yes, add me to the project database
		Enter email below if you prefer email
	D, NC 2770)	Yes, add me to the project database Enter email below if you prefer email
Dell stee	DUR. N. 27713	Pres, add me to the project database Enter email below if you prefer email
A MIN A		Yes, add me to the project database Enter email below if you prefer email
		☐ Yes, add me to the project database Enter email below if you prefer email
		☐ Yes, add me to the project database Enter email below if you prefer email
	Aud was	Durham 2170/ Durham 21704 27705 Durham 21704 27705 Durham 21701



Durham-Orange Light Rail Transit Project

Meeting Date \_\_\_\_\_ Location \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_\_

		<u> </u>	
Name	Home Address	City, State, Zip	Email
Leonzo Williams		Durham, NC 27712	Yes, add me to the project database Enter email below if you prefer email
MARS GUNN		Dunnam x1 = 77717	Thes, add me to the project database
MANUS COUNTY		JURHAM, NCZ7712	
Dreck Madon		DURHAMN.C ?720)	☐ Yes, add me to the project database Enter email below if you prefer email
BAY EVRAU havet		Duch WC 27207	Yes, add me to the project database Enter email below if you prefer email
Arena Orr			☐ Yes, add me to the project database Enter email below if you prefer email
Mayor Sill Bell		Dunam, NC 27701	☐ Yes, add me to the project database Enter email below if you prefer email
Reith Chadrel			☐ Yes, add me to the project database Enter email below if you prefer email
			☐ Yes, add me to the project database Enter email below if you prefer email
Josefy u Chadool		Law rence ville	☐ Yes, add me to the project database Enter email below if you prefer email
Marcia McNally		Durhan 2770/	☐ Yes, add me to the project database Enter email below if you prefer email
			☐ Yes, add me to the project database Enter email below if you prefer email
			☐ Yes, add me to the project database Enter email below if you prefer email
Joseffy Whoding		Durham 27701	Enter email below if you prefer email  Yes, add me to the project database Enter email below if you prefer email  Yes, add me to the project database



Durham-Orange Light Pail Transit Project
Meeting Date \_\_\_\_\_\_ Location \_\_

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Page \_\_\_\_ of \_\_\_\_\_

Name	Home Address	City, State, Zip	Email
David Landicina			☐ Yes, add me to the project database Enter email below if you prefer email
DONLEBKES		DerHAMNC	☐ Yes, add me to the project database Enter email below if you prefer email
Brian Crandell		Hillsborough, NC	☐ Yes, add me to the project database Enter email below if you prefer email
Chris Selby		Derham Ne 27517	☐ Yes, add me to the project database Enter email below if you prefer email
M TLYON CUNN		PULIAM, VC	☐ Yes, add me to the project database Enter email below if you prefer email
Lashewna Pavell		Durfam Ne	☐ Yes, add me to the project database Enter email below if you prefer email
Trans Perry		Durham NC	☐ Yes, add me to the project database Enter email below if you prefer email
Brando L. Fox			☐ Yes, add me to the project database Enter email below if you prefer email
Edgar occ		Durham No.	☐ Yes, add me to the project database Enter email below if you prefer email
Her Cabane	ž.	Duckam N.c.	Yes, add me to the project database Enter email below if you prefer email
	<u></u> J		☐ Yes, add me to the project database Enter email below if you prefer email
			☐ Yes, add me to the project database Enter email below if you prefer email